Course 55793

Exercise 2

General instructions

1. Use **Jupyter Notebook** to show your code and output
2. Use *markdown* cells and/or *comments* to explain your code
3. Functions should include a docstring (more about that here).
4. Submit a single **PDF** or **HTML** file
5. This exercise will be graded
6. **Submission deadline: November 22, 2022**

Questions

1. Write a function that accepts a single string and outputs a dictionary (dict) with letters as keys, and the number of times they appear in the input string as values. For example:
   a. Input -- "aaabbb"; output – {"a":3, "b"3}
   b. Input – "Hello World!"; output – {"H":1, "e": 1, "l":3, "o":2, "W":1, "r":1, "d":1, "!":1}

כמו שלמדנו לספור מילים בוויקיפדיה

2. Write a function that accepts a single string and outputs a list of the different characters that appear in it. For example:
   a. Input – "aaabbb"; output – ['a', 'b']
   b. Input – "Hello World!"; output – ['H', 'e', 'l', 'o', 'W', 'r', 'd', '!']

רשימה בלי חזרות - ליסט וסט

3. Write a function that accepts a dictionary and a minimum-value, and returns a dictionary where all the keys associated with smaller values were removed. For example:
   a. Input – {"math":100, "english":70, "geography":50}, min_value=60
      Output -- {"math":100, "english":70}